

LIST OF ARTICLES PUBLISHED DURING THE DOCTORAL THESIS

1. **A.-A. Vasile (Corbei)**, A. Ștefaniu, O. Matica, E.-M. Ungureanu, *Quantum reactivity parameters computation for electrochemical behavior assessment*, International online symposium “The environment and the industry E-SIMI 2020” 24-25 Septembrie 2020, 2 pagini. FI=0;
2. **A.-A. Vasile (Corbei)**, A. Ștefaniu, L. Pintilie, G. Stanciu, E.-M. Ungureanu, *In silico characterization and preliminary anticancer assessment of some 1,3,4-thiadiazoles*, UPB Scientific Bulletin, Series B, Vol. 83, Iss. 3, 2021, ISSN 1454-2331. FI= 0;
3. **A.-A. Vasile (Corbei)**, E.-M. Ungureanu, G. Stanciu, M. Cristea, A. Ștefaniu, *Evaluation of (Z)-5-(azulen-1-ylmethylene)-2-thioxothiazolidin-4-ones properties using quantum mechanical calculations*, Symmetry 2021, Vol. 13, Iss. 8, 1462. FI=2,713, SRI= 0.579;
4. O. Ciocirlan, E.-M. Ungureanu, **A.-A. Vasile (Corbei)**, A. Ștefaniu, *Properties’ Assessment by Quantum Mechanical Calculations for Azulenes Substituted with Thiophen- or Furan-vinyl-pyridine*, Symmetry 2022, Vol. 14, Iss. 2, 354. FI = 2.713. SRI = 0.145 (0.579)

FI cumulative (poz. 1+2+3+4) = 0+ 0+ 2.713 + 2.713 = 5.426 ;

SRI cumulative (poz. 1+2+3+4) = 0 + 0 + 0.579 + 0.145 = 0.724.

SCIENTIFIC EVENTS ATTENDED LIST

1. **A.-A. Vasile**, L. Birzan, M.-R. Bujduveanu, E.-M. Ungureanu, *Electrochemical study of new azulene-ether crown compound*, 8th International Conference “Chimia”, workshop NOMARES, Constanta, Romania, 24– 26 May, 2018, Poster PW4, 25.05.2018.
2. **A.-A. Vasile**, M.-L. Tatu, G.-L. Tatu, M.M. Popa, E.-M. Ungureanu, E. Georgescu, *Electrochemical characterization of several pyrrolo pyrimidines*, XXXV-a Conferinta Nationala de Chimie 02-05 octombrie 2018 Călimănești-Căciulata, județul Vâlcea, ROMÂNIA, Poster P.S.II.-14.
3. **A.-A. Vasile (Corbei)**, A. Ștefaniu, O. Matica, E.-M. Ungureanu, *Quantum reactivity parameters computation for electrochemical behavior assessment*, International online symposium “The environment and the industry E-SIMI 2020” 24-25 Septembrie 2020, Poster.
4. **A.-A. Vasile (Corbei)**, V. Anastasoae, E.-M. Ungureanu, A. Ștefaniu, *Theoretical Studies Using Quantum Mechanical Calculations for 1,3,4-Thiadiazole Derivatives with Electrochemical Applications*, XXVIth International Symposium on Bioelectrochemistry and Bioenergetics BES (online), 9–13 Mai 2021, Cluj-Napoca, ROMANIA, Poster S2-P017.

5. **A.-A. Vasile (Corbei)**, A. Stefaniu, L. Pintilie, G. Stanciu, E.-M. Ungureanu, Anti-proliferation assessment of 1,3,4-thiadiazoles by molecular docking study, *Congresul national de farmacie*, Editia XVIII-a, 2020 (online), 15-17 Sept 2021, Oradea, ROMÂNIA, Poster.
6. **A.-A. Vasile (Corbei)**, G. Stanciu, E.-M. Ungureanu, A. Stefaniu, *Global reactivity analysis from quantum parameters on 2,6-bis-(E)-2-(furan-2yl)-4-(4,6,8-trimethylazulen-1yl)pyridine structure*, IX International Scientific Conference “Actual Problems of Solid State Physics”, 22-26 noiembrie 2021, Minsk, Belarus, Poster Theor21.